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METEOROLOGICAL JOURNAL,

KEPT BY THE ASSISTANT SECRETARY,

AT THE APARTMENTS OF THE

ROYAL SOCIETY,

BY ORDER OF

THE PRESIDENT AND COUNCIL.

OBSERVANDA.

Height of the Cistern of the Barometer above the plinth at Waterloo Bridge....83 feet 2 inches.

_____ above the mean level of the sea97 feet.

Height of the receiver of the Rain Gauge above the court of Somerset House ..79 feet.

The External Thermometer is 2 feet higher than the Barometer Cistern.

The Thermometers are graduated to Fahrenheit's scale.

The Barometer is divided into inches and tenths.

The Hours of Observation are of Mean Time, the day beginning at Midnight.

The *daily* observations of the Barometer are *not* corrected.

The *monthly means* are corrected for capillarity and temperature by the Table contained in Mr. Baily's paper in *Phil. Trans.* for 1837.

METEOROLOGICAL JOURNAL FOR JANUARY AND FEBRUARY, 1839.

1839.	9 o'clock, A.M.			3 o'clock, P.M.			Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers.				Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
	Barometer uncorrected.		Att. Ther.	Barometer uncorrected.		Att. Ther.			Fahrenheit.		Self-registering				
	Flint Glass.	Crown Glass.		Flint Glass.	Crown Glass.				9 A.M.	3 P.M.	Lowest	Highest			
JANUARY	T 1	30.342	30.336	40.9	30.194	30.186	41.9	35	02.2	40.8	45.3	36.2	41.4	S	A.M. Overcast—brisk wind—remainder of the day cloudy—lt. wind.
	W 2	30.050	30.044	43.7	30.058	30.052	44.6	38	03.6	45.4	46.7	40.8	49.3	W	{A.M. Cloudy—light brisk wind. P.M. Fine—light clouds and wind.
	T 3	29.944	29.938	44.7	29.828	29.822	45.6	40	02.1	45.3	47.8	44.2	46.2	SW	{Evening, Cloudy.
	F 4	29.530	29.524	46.2	29.576	29.568	46.8	41	01.7	42.0	44.7	41.9	47.2	S	{A.M. Fine—nearly cloudless. P.M. Cloudy—light wind. Evening, Overcast—very high wind.
	S 5	29.682	29.676	41.9	29.568	29.562	42.7	36	01.9	38.4	41.3	35.6	44.5	S	A.M. Ovct.—very lt. rain. P.M. Fine & cloudless. Ev. Fine & clear.
	⊙ 6	29.718	29.712	39.7	29.518	29.510	39.9	31	02.4	35.7	34.2	34.2	39.0	S	Fine—lt. clouds & wind throughout the day. Ev. Fine and starlight.
	M 7	29.072	29.066	43.2	29.092	29.088	43.9	37	03.4	44.4	42.8	35.0	50.3	S	{A.M. Overcast—light wind—rain early. P.M. Overcast—snow and rain. Evening, Heavy rain—high wind.
	T 8	29.538	29.530	40.5	29.546	29.540	40.6	32	03.0	34.7	38.8	34.8	46.3	W	{A.M. Fine—light clouds—very high wind, as also throughout the night. P.M. Hail & rain—light wind. Ev. Fine & starlight.
	W 9	29.716	29.712	38.8	29.916	29.908	38.6	31	02.2	34.2	34.8	33.6	39.8	NW	{A.M. Fine & cloudless—light wind. P.M. Dark heavy clouds—brisk wind. Evening, Light snow.
	T 10	30.274	30.268	35.0	30.210	30.202	36.7	30	00.2 f _z	32.8	40.8	29.3	35.8	S	A.M. Fine—lt. clouds & wind—snow early. P.M. Fine—lt. clds. Ev. Fine—light clouds and wind, with sharp frost throughout the day.
	F 11	30.150	30.142	40.0	30.066	30.058	41.2	35	02.0	42.4	45.8	32.6	43.2	S	{Evening, Overcast—thaw.
	S 12	30.180	30.172	44.3	30.236	30.230	46.2	41	02.2	47.7	46.7	42.0	50.0	NNW	{Overcast—light wind throughout the day, with occasional rain, as also the evening.
	⊙ 13	30.020	30.014	45.8	29.960	29.956	47.0	41	02.6	49.8	50.0	42.7	50.3	SW var.	A.M. Overcast—lt. fog—deposition. P.M. Fine—lt. clds. Ev. Cloudy.
	M 14	29.968	29.960	46.6	29.712	29.704	47.2	42	02.1	44.9	44.4	43.2	51.8	SW	{A.M. Cloudy—brisk wind. P.M. Overcast—very fine rain. Ev. Fine—starlight night.
	T 15	29.818	29.812	43.3	29.788	29.782	43.8	35	02.6	36.6	42.8	36.0	47.7	W	Overct.—lt. wind, with occasional rain during the day. Ev. Hail & rain.
	W 16	29.944	29.940	39.9	29.900	29.894	40.3	32	01.3	35.3	37.7	33.0	43.2	W	Fine—lt. clds. & wind throughout the day. Ev. Fine—starlight night.
	T 17	30.012	30.004	36.9	30.012	30.004	37.7	28	02.1	30.7	37.3	30.6	40.0	WNW	{Fine—light clouds and wind throughout the day—snow early. Evening, Fine—starlight night.
	F 18	30.172	30.164	35.9	30.136	30.128	37.7	29	01.9	29.7	36.7	29.5	38.0	W	Fine—lt. clds. & wind throughout the day. Ev. Fine—starlight night.
	S 19	29.572	29.566	38.6	29.488	29.482	40.8	35	01.9	42.9	43.6	29.7	44.0	SE	{A.M. Lig. w. fog & wind—white frost. P.M. Fine—light clouds and wind. Evening, Fine—starlight night.
	⊙ 20	30.008	30.000	38.9	29.986	29.980	41.2	33	02.0	38.6	43.5	35.0	47.8	SW	Overcast—light rain, with high wind throughout the day. Evening, Fine—starlight night.
	M 21	29.658	29.652	42.7	29.704	29.700	44.0	38	01.4	48.7	43.3	38.2	49.4	SW	A.M. Fine—light clouds and wind. P.M. Overcast. Ev. Light rain.
	T 22	30.090	30.084	40.9	30.204	30.196	41.5	33	01.9	34.7	38.6	33.7	49.2	N	A.M. Overcast—lt. fog & rain. P.M. Heavy rain. Ev. Continued rain.
	W 23	30.530	30.524	38.7	30.530	30.522	39.9	33	01.9	36.2	39.7	34.6	37.4	NW	Fine—lt. clouds & wind throughout the day. Ev. Fine—starlight nt.
	T 24	30.532	30.526	38.7	30.456	30.448	40.2	32	01.9	36.2	43.4	33.7	40.4	SW	{Cloudy, with brisk wind throughout the day. Evening, Overcast—light wind.
	F 25	30.088	30.082	41.4	29.972	29.964	42.9	37	02.1	43.0	45.4	36.2	43.8	W var.	A.M. Overcast—lt. fog. P.M. Fine—lt. clds. & wind. Ev. Cloudy.
	S 26	30.156	30.150	40.8	30.204	30.196	40.9	32	01.8	35.3	37.2	34.4	47.3	N	{A.M. Overcast—light fog—brisk wind. P.M. Light rain and wind. Evening, The like.
	⊙ 27	30.340	30.332	36.9	30.262	30.254	37.3	28	02.4	33.3	34.7	31.2	37.5	NE	A.M. Fine—lt. clds. & wind. P.M. Cloudy—lt. snow. Ev. Lt. snow.
	M 28	30.006	30.000	35.9	29.844	29.836	37.2	29	01.3	32.7	36.2	31.6	35.6	NW	{A.M. Overcast—light snow—brisk wind. P.M. Fine—light clouds and wind. Evening, Cloudy—brisk wind.
	T 29	29.548	29.542	36.3	29.366	29.360	37.6	28	02.1	33.2	38.7	31.6	37.3	W	Over—lt. wind throughout the day. Ev. Snow.
	W 30	29.226	29.220	33.7	29.112	29.106	35.2	23	01.5 f _z	27.7	31.3	23.7	36.0	SW	{with high wind. A.M. Fine—lt. clds. & wind. P.M. Cldy.—lt. wind. Ev. Snow & rain.
	T 31	29.150	29.144	32.3	29.284	29.278	33.7	23	00.8 f _z	30.5	33.4	25.5	32.3	W	{A.M. Fine and cloudless—sharp frost. P.M. Cloudy—snow—sharp frost. Evening, Overcast—snow—high wind.
MEAN.		29.904	29.898	40.1	29.862	29.855	41.1	33.5	02.0	38.2	40.9	34.7	43.3	Sum. 1.428	{A.M. Fine—light clouds—brisk wind—high wind throughout the night. P.M. Overcast—light snow. Ev. Heavy fall of snow.
Mean Barometer corrected { 9 A.M. 3 P.M. F. 29.877 .. 29.833 C. 29.870 .. 29.825															
FEBRUARY	F 1	30.008	30.000	33.2	30.014	30.006	34.7	25	frozen	29.7	35.9	26.8	33.8	NW	Fine—lt. clouds—brisk wind—thaw throughout the day. Ev. Cloudy.
	S 2	30.076	30.068	34.0	30.064	30.056	35.2	26	01.9	32.5	37.2	30.0	35.3	NW	Fine—lt. clouds and wind throughout the day. Ev. Overcast—thaw.
	⊙ 3	29.868	29.860	35.6	29.860	29.852	37.2	30	01.4	37.4	40.7	32.7	38.3	S	Overcast—light rain and wind nearly the whole of the day.
	M 4	29.822	29.816	37.4	29.808	29.800	39.6	32	01.3	38.7	42.8	36.6	39.3	SE	{A.M. Fine—light clouds and wind. P.M. Overcast—light wind. Evening, Light rain.
	T 5	30.104	30.096	41.2	30.110	30.102	41.9	34	01.7	41.8	44.7	38.3	48.8	W	{Overcast—deposition—light wind throughout the day. Evening, Heavy rain.
	W 6	30.122	30.114	42.0	30.180	30.174	42.6	35	01.0	39.3	42.5	40.0	45.3	N	Overcast—light wind throughout the day. Evening, The same.
	T 7	30.288	30.282	43.8	30.276	30.268	46.2	38	01.8	47.8	51.0	39.9	48.7	SSE	{A.M. Overcast—very fine rain. P.M. Lightly overcast. Evening, Overcast—light wind.
	F 8	30.360	30.352	48.3	30.308	30.302	49.7	46	01.9	48.6	50.4	47.9	49.4	S	{Overcast—light wind throughout the day. Evening, The same.
	S 9	30.342	30.334	50.0	30.304	30.296	51.3	44	01.9	50.7	52.3	47.9	51.8	SW	Overcast—light wind throughout the day. Evening, The same.
	⊙ 10	30.476	30.468	49.6	30.482	30.478	50.0	40	01.9	43.8	46.4	43.9	44.0	NW	Overcast—brisk wind throughout the day. Evening, Light rain.
	M 11	30.462	30.454	45.6	30.376	30.370	46.9	40	01.3	41.4	48.3	37.9	42.0	S	{A.M. Fine—light clouds and wind—rain early. P.M. Lightly overcast. Evening, Fine—starlight night.
	T 12	30.300	30.296	47.0	30.230	30.222	47.5	41	02.5	45.9	47.7	41.2	48.8	S	Overcast—very light wind and rain nearly the whole of the day.
	W 13	30.488	30.482	45.9	30.444	30.436	46.9	40	01.8	40.7	46.7	38.2	48.8	SW	{Evening, Fine—starlight night.
	T 14	29.910	29.904	45.9	29.946	29.940	48.2	40	02.5	48.0	50.7	40.6	48.7	S	Overcast—brisk wind throughout the day. Evening, Light rain.
	F 15	30.104	30.098	45.3	30.034	30.028	46.9	37	01.9	39.3	48.8	36.4	52.3	SW var.	{Fine—light clouds and wind throughout the day. Evening, Overcast—light wind.
	S 16	29.520	29.512	46.0	29.540	29.534	46.8	41	02.3	43.3	44.2	39.3	49.2	NW	{A.M. Overcast—light wind. P.M. Cloudy—brisk wind. Ev. Fine
	⊙ 17	29.494	29.488	42.8	29.424	29.420	44.2	32	01.4	35.8	40.0	34.2	45.0	S	{A.M. Fine—nearly cloudless—light wind. P.M. Cloudy—light wind. Evening, Light rain—high wind.
	M 18	29.464	29.456	40.9	29.538	29.532	41.4	35	01.8	37.3	36.7	34.2	37.8	NW	{A.M. Overcast—steady rain—high wind. P.M. Fine—light clouds and wind. Evening, Fine and starlight—sharp frost.
	T 19	29.590	29.586	38.3	29.500	29.492	40.0	29	02.0	32.8	39.3	30.5	38.3	SW	{A.M. Fine—nearly cloudless. P.M. Overcast—snow and hail—brisk wind. Evening, The same.
	W 20	29.374	29.368	39.4	29.498	29.492	39.8	33	02.0	38.3	39.4	32.4	39.6	NE	Overcast—light wind throughout the day. Ev. Fine and starlight—
	T 21	30.238	30.232	38.2	30.252	30.244	39.8	23	04.4	35.9	38.7	35.0	39.8	NE	Overcast—light wind throughout the day. Ev. Fine and starlight—
	F 22	29.836	29.830	39.7	29.794	29.788	41.7	36	02.2	42.4	47.8	34.9	43.3	S	{A.M. Overcast—light wind (rain early). P.M. Overcast—light rain. Evening, The like.
	S 23	29.544	29.538	45.7	29.658	29.652	47.6	40	01.7	49.8	48.7	43.0	50.9	S var.	{A.M. Overcast—light rain and wind. P.M. Fine—light clouds. Evening, Fine and clear.
	⊙ 24	29.810	29.804	43.7	29.734	29.730	45.0	35	02.1	38.6	45.6	35.4	51.3	W	Fine—light clouds and wind throughout the day. Ev. The same.
	M 25	29.672	29.664	42.7	29.764	29.760	43.8	35	02.8	38.8	38.8	36.3	47.6	W	{A.M. Fine—light clouds—brisk wind. P.M. Overcast—light rain. Evening, Fine and clear.
	T 26	30.028	30.022	40.4	29.992	29.984	41.6	32	02.0	35.2	42.3	33.7	44.8	W	A.M. Lt. fog & wind. P.M. Lightly overcast—lt. wind. Ev. Cloudy.
	W 27	29.866	29.858	40.7	29.810	29.804	41.8	33	02.5	41.2	47.3	35.2	42.4	S	{A.M. Cloudy—brisk wind. P.M. Overcast—hail and rain. Evening, Fine and clear.
	⊙ T 28	30.176	30.168	40.7	30.158	30.150	42.3	32	02.6	39.3	48.4	35.7	46.5	SW	Fine—light clouds and wind throughout the day. Ev. Fine and clear.
MEAN.		29.977	29.970	42.3	29.968	29.961	43.6	35.0	02.0	40.5	44.4	37.1	44.7	Sum. 1.337	{A.M. Overcast—light snow. Ev. Heavy fall of snow.
Mean Barometer corrected { 9 A.M. 3 P.M. F. 29.943 .. 29.931 C. 29.935 .. 29.924															

METEOROLOGICAL JOURNAL FOR MARCH AND APRIL, 1839.

1839.	9 o'clock, A.M.			3 o'clock, P.M.			Dew Point at 9 A.M. deg. Fahr.	Diff. of Wet and Dry Bulb Ther.	External Thermometers.				Rain in inches Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.	
	Barometer uncorrected.		Att. Ther.	Barometer uncorrected.		Att. Ther.			Fahrenheit.		Self-registering					
	Flint Glass.	Crown Glass.		Flint Glass.	Crown Glass.				9 A.M.	3 P.M.	Lowest	Highest				
MARCH	F 1	30.030	30.022	44.3	29.944	29.938	45.9	39	03.1	46.3	46.2	39.7	47.7	.041	E	{A.M. Lightly overcast—rain during the night. P.M. Cloudy—brisk wind. Evening, The same.
	S 2	29.868	29.862	44.7	29.910	29.904	41.9	39	03.4	45.7	52.8	42.8	46.3		SSE	Fine—light clouds and wind throughout the day.
	⊙ 3	30.068	30.060	45.9	30.054	30.050	48.0	40	01.8	43.7	50.7	41.6	53.3		N	{A.M. Cloudy—light fog and wind. P.M. Fine—light clouds. Evening, The same.
	M 4	30.052	30.044	43.7	30.044	30.036	44.9	36	02.4	40.3	41.6	36.8	50.3		NE	Fine—light clouds—high wind throughout the day. Ev. Sharp frost.
	T 5	30.108	30.100	40.2	30.068	30.060	39.8	32	03.1	35.2	34.7	33.8	37.0		NE	Overcast—lt. brisk wind throughout the day. Ev. Cloudy—sharp frost.
	W 6	29.854	29.846	38.2	29.744	29.738	38.9	29		32.5	31.7	31.6	32.8		NE	{A.M. Fine—light clouds—brisk wind. P.M. Overcast—snow and wind. Evening, Cloudy—light snow.
	T 7	29.526	29.518	34.6	29.496	29.488	36.3	26		30.7	33.5	27.4	31.7		NW	{A.M. Dark heavy clouds—brisk wind. P.M. Snow—brisk wind. Evening, Overcast—snow—high wind.
	F 8	29.748	29.742	35.3	29.842	29.836	36.6	28		32.2	34.8	30.0	34.7		NW	{A.M. Cloudy—snow—brisk wind. P.M. Fine—lt. clouds & wind. Ev. Fine—starlight night.
	S 9	29.948	29.942	33.3	29.976	29.970	36.6	25		29.8	35.2	26.0	30.2		NNW	{A.M. Cloudy—brisk wind. P.M. Fine—light clouds & wind. Ev. Fine—starlight night—sharp frost.
	⊙ 10	30.172	30.166	32.7	30.180	30.174	35.0	23		30.5	36.0	26.5	35.8		E	Overcast—brisk wind throughout the day. Ev. Overcast—sharp frost.
	M 11	30.182	30.176	34.8	30.136	30.128	38.2	28		36.5	41.8	29.9	37.8		E	{A.M. Fine—nearly cloudless—light wind. P.M. Cloudy—brisk wind. Evening, Fine and starlight—frost.
	T 12	30.074	30.066	37.7	30.050	30.044	39.7	29	02.9	35.4	42.4	32.8	36.3		NE var.	{A.M. Fine and cloudless—light wind. P.M. Overcast—light rain and wind. Evening, Overcast.
	W 13	30.048	30.042	39.6	30.012	30.004	41.4	34	02.3	40.7	50.2	34.8	43.5	.022	NE	{A.M. Overcast—lt. rain and wind. P.M. Cloudy—light wind. Ev. Fine—starlight night—sharp frost.
	T 14	30.014	30.006	42.3	30.024	30.016	45.0	36	00.8	45.7	52.6	40.7	50.2	.216	SE	{A.M. Overcast—light rain and wind. P.M. Fine—light clouds and wind. Evening, Overcast—light rain.
	F 15	29.806	29.800	47.2	29.522	29.514	48.5	42	01.3	46.7	50.3	45.6	47.5	.327	S	Overcast—lt. rain & wind nearly the whole day. Ev. Dark heavy clds.
	S 16	29.260	29.254	48.6	29.238	29.232	50.2	43	03.5	46.8	50.2	42.3	50.8	.250	SW	Fine—lt. clouds & wind throughout the day. Ev. Overcast—lt. rain.
	⊙ 17	29.464	29.456	46.5	29.588	29.582	46.4	36	02.1	39.8	42.3	38.0	51.2	.044	NE	Lightly overcast—lt. wind the whole of the day, as also the evening.
	M 18	29.880	29.872	41.3	29.916	29.908	41.3	33	02.5	35.8	37.7	34.8	41.0		NW	Overcast—brisk wind throughout the day. Ev. Very light rain.
	T 19	30.022	30.014	40.3	30.006	30.000	41.9	32	02.2	37.0	44.3	33.3	38.0		W	{A.M. Overcast—light wind. P.M. Fine—light clouds and wind. Evening, Fine and clear.
	W 20	29.968	29.962	41.3	29.848	29.842	44.0	35	02.7	41.2	47.2	36.2	41.7		W	Overcast—light brisk wind throughout the day. Evening, Light rain—brisk wind.
	T 21	29.616	29.610	45.2	29.630	29.624	47.6	40	02.3	46.7	51.8	41.2	48.2	.077	W	Overcast—light brisk wind throughout the day, with occasional showers. Evening, Overcast.
	F 22	29.700	29.696	51.9	29.700	29.694	50.0	44	04.3	47.2	50.3	42.4	48.8	.016	SW	{A.M. Fine—light clouds—brisk wind. P.M. Cloudy. Ev. The same.
	S 23	29.700	29.696	48.3	29.660	29.654	50.0	43	03.7	50.5	54.5	44.3	51.2		S	Cloudy—lt. brisk wind throughout the day. Ev. Overcast—lt. rain.
	⊙ 24	29.682	29.674	49.8	29.666	29.662	53.0	44	03.0	47.4	53.0	46.8	48.3	.088	S	{A.M. Cloudy—light wind—rain early. P.M. Fine—light clouds and wind. Evening, Fine and clear.
	M 25	29.648	29.644	52.2	29.636	29.628	51.2	43	04.2	47.7	48.8	41.8	49.3		S	A.M. Fine—lt. clouds & wind. P.M. Cloudy—brisk wind. Ev. Ditto.
	T 26	29.810	29.806	50.8	29.912	29.904	49.3	39	03.6	44.2	46.4	41.7	45.2		NE	{A.M. Cloudy—light brisk wind. P.M. Fine—nearly cloudless. Evening, Cloudy—light wind.
	W 27	29.670	29.662	47.3	29.524	29.518	49.4	42	02.6	48.0	52.3	42.2	48.8	.044	S	{A.M. Overcast—brisk wind—rain early. P.M. Cloudy—light rain. Evening, Cloudy.
	T 28	29.386	29.380	53.3	29.296	29.292	51.0	44	04.2	48.8	52.2	42.7	51.5	.133	S	{A.M. Fine—light clouds—brisk wind. P.M. Cloudy, with showers. Evening, Overcast—light rain.
	F 29	29.454	29.448	48.2	29.516	29.508	48.7	42	03.0	43.7	42.7	40.3	53.2	.291	NNW	Overcast—brisk wind throughout the day. Ev. Cloudy—brisk wind.
	⊙ S 30	29.762	29.756	45.7	29.784	29.778	45.8	35	04.1	41.2	41.6	35.0	45.7		ENE	{A.M. Fine—light clouds—brisk wind. P.M. Cloudy—brisk wind. Evening, Overcast.
	⊙ 31	29.612	29.604	42.7	29.544	29.540	44.8	37	02.5	41.0	45.7	37.2	43.0		E	Overcast—light wind throughout the day. Evening, Heavy rain.
	MEAN.	29.811	29.804	43.5	29.789	29.783	44.6	36.1	02.9	41.3	45.0	37.4	44.2	1.549	Sum.	Mean Barometer corrected..... { 9 A.M. 3 P.M. F. 29.775 .. 29.750 C. 29.767 .. 29.743
APRIL	M 1	29.586	29.560	44.3	29.570	29.564	45.4	38	02.8	41.7	42.8	40.7	46.3	.116	E	{Overcast—brisk wind, with occasional rain throughout the day. Evening, Light rain.
	T 2	29.766	29.758	42.8	29.836	29.830	42.7	36	01.6	38.8	38.3	38.9	41.0	.088	NE	Overcast—brisk wind, with occasional rain throughout the day.
	W 3	29.896	29.888	40.3	29.886	29.878	40.0	33	02.6	35.9	35.6	35.6	36.6		NE	Overcast—brisk wind throughout the day. Evening, The like.
	T 4	29.986	29.978	38.3	29.980	29.972	39.2	30	02.9	35.5	37.2	33.9	36.0		NNE	Overcast—light brisk wind throughout the day. Evening, The like.
	F 5	29.802	29.796	38.2	29.838	29.832	38.4	31	01.1	33.5	36.7	34.0	34.3	.061	NE	{A.M. Overcast—heavy snow—light wind. P.M. Light rain—high wind. Evening, Overcast—brisk wind.
	S 6	30.158	30.152	45.9	30.230	30.222	41.5	33	04.2	40.2	40.3	34.0	40.7	.340	NNE	{A.M. Fine—light clouds—brisk wind. P.M. Cloudy—brisk wind. Evening, Fine and starlight.
	⊙ 7	30.398	30.392	41.9	30.368	30.360	41.2	29	04.2	38.6	42.8	30.5	39.3		NNE	{A.M. Cloudy—lt. wind. P.M. Fine—lt. clouds & wind. Ev. Fine & starlight.
	M 8	30.320	30.312	45.3	30.298	30.290	41.3	32	05.4	40.3	38.4	34.8	41.4		NNE	{A.M. Fine—lt. clouds and wind. P.M. Cloudy—light snow and wind. Evening, Overcast—brisk wind.
	T 9	30.352	30.346	40.2	30.348	30.340	41.2	32	03.2	38.8	41.7	35.0	39.7		NNE	{A.M. Overcast—light snow and wind. P.M. Cloudy—brisk wind. Evening, Overcast—brisk wind.
	W 10	30.444	30.438	40.8	30.430	30.422	43.3	33	03.4	42.4	47.8	37.3	43.2	.027	NE	{A.M. Cloudy—light wind—rain early. P.M. Fine—light clouds & wind. Evening, Fine & starlight.
	T 11	30.518	30.510	46.9	30.444	30.436	43.6	33	04.1	41.4	50.4	33.2	42.7		NNE	{Fine—nearly cloudless—light wind throughout the day. Evening, Fine and starlight.
	F 12	30.282	30.274	42.8	30.236	30.230	45.3	37	03.2	42.6	47.2	37.2	43.3		N	A.M. Overcast—brisk wind. P.M. Cloudy—brisk wind. Ev. Overcast.
	⊙ S 13	30.272	30.264	45.0	30.250	30.242	46.9	38	04.6	44.8	47.2	41.3	45.3		N	Lightly overcast—brisk wind throughout the day. Ev. The like.
	⊙ 14	30.232	30.224	45.7	30.202	30.196	48.0	39	03.8	45.7	51.8	43.7	46.4		W	Overcast—light wind throughout the day. Evening, The like.
	M 15	30.138	30.138	47.5	30.056	30.050	49.6	39	04.9	48.5	51.3	45.2	49.3		SW	A.M. Overcast—lt. brisk wind. P.M. Cldy.—brisk wind. Ev. Overcast.
	T 16	29.792	29.786	48.8	29.658	29.650	51.3	37	06.7	50.2	55.9	44.6	50.8		S	{A.M. Overcast—light wind. P.M. Fine—light clouds and wind. Evening, Fine and starlight.
	W 17	29.436	29.430	53.3	29.492	29.486	52.2	42	05.8	48.4	48.5	45.5	49.4		W var.	{A.M. Fine—light clouds—high wind, with occasional hail and rain. P.M. Overcast—light rain. Evening, The like.
	T 18	29.450	29.444	48.3	29.572	29.564	51.9	42	03.0	47.2	54.3	40.9	47.6	.205	S	{A.M. Overcast—light rain—high wind. P.M. Cloudy—brisk wind. Evening, Overcast—light rain—high wind.
	F 19	29.662	29.654	55.9	29.794	29.786	54.6	45	05.0	51.4	56.5	40.7	52.0	.180	W	Fine—lt. clouds—brisk wind throughout the day. Ev. Fine & clear.
	S 20	30.082	30.076	58.7	30.082	30.074	53.2	42	06.2	49.8	51.8	40.8	50.7		W	Fine—light clouds and wind throughout the day. Ev. Fine & clear.
	⊙ 21	30.260	30.252	53.5	30.226	30.222	53.0	40	05.9	48.7	54.5	41.3	49.5	.033	NNW	Fine—light clouds and wind nearly the whole day. Ev. Light fog.
	M 22	30.268	30.260	50.6	30.220	30.212	53.2	43	05.1	52.3	57.7	42.7	53.5		S	Cloudy—light wind throughout the day. Evening, Overcast.
	T 23	29.984	29.976	52.0	29.938	29.932	53.2	46	02.9	51.3	53.6	47.4	51.8	.155	S	Overcast—light rain and wind throughout the day. Ev. The like.
	W 24	30.078	30.070	51.3	30.056	30.048	52.7	41	04.7	45.8	51.3	42.3	46.4	.172	NW	Fine—light clouds and wind throughout the day. Ev. Fine & clear.
	T 25	30.074	30.068	58.3	30.012	30.004	51.5	38	05.3	44.6	52.2	36.9	46.0		NW	Fine—light clouds and wind throughout the day. Ev. Fine & clear.
	F 26	30.148	30.142	48.6	30.144	30.136	50.2	37	04.6	44.3	49.7	39.2	50.4		NNE	{A.M. Overcast—light wind. P.M. Cloudy—light wind. Evening, Fine—light clouds.
	S 27	30.238	30.230	49.0	30.210	30.202	51.8	43	04.6	48.7	56.3	43.6	49.3		SE	{A.M. Overcast—light fog and wind. P.M. Thick haze. Evening, Fine—light clouds.
	⊙ 28	30.340	30.334	56.6	30.296	30.290	53.0	42	05.2	47.8	57.0	42.0	49.4		NNW	{A.M. Fine—light haze and wind. P.M. Fine—light clouds. Evening, Fine and clear.
	M 29	30.250	30.242	52.2	30.162	30.154	53.9	43	04.5	48.8	62.8	42.6	49.9		E	A.M. Light fog. P.M. Fine—light clouds. Evening, Cloudy.
	T 30	30.148	30.142	61.4	30.076	30.068	56.2	45	06.5	57.3	63.2	46.7	58.7		E	Fine—light haze throughout the day. Evening, Fine and clear.
	MEAN.	30.078	30.071	48.1	30.064	30.056	48.0	37.9	04.3	44.8	49.2	39.7	46.0	1.377	Sum.	Mean Barometer corrected..... { 9 A.M. 3 P.M. F. 30.030 .. 30.016 C. 30.022 .. 30.007

On passing through Smithfield on Friday evening, the 26th of April last, between the hours of six and seven o'clock, my attention was arrested by a black spot, of the size of a crown piece, nearly in the centre of the sun, and which I watched with the naked eye for upwards of twenty minutes. There being a great quantity of vapour in the atmosphere at the time, permitted the eye to look at it with impunity.—J. D. R.

METEOROLOGICAL JOURNAL FOR MAY AND JUNE, 1839.

1839.	9 o'clock, A.M.			3 o'clock, P.M.			Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers.				Rain in inches. Read out at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
	Barometer uncorrected.		Att. Ther.	Barometer uncorrected.		Att. Ther.			Fahrenheit.		Self-registering				
	Flint Glass	Crown Glass.		Flint Glass.	Crown Glass.				9 A.M.	3 P.M.	Lowest	Highest			
W 1	29.986	29.978	55.3	29.912	29.904	57.6	48	05.0	56.0	65.3	51.8	61.2		SW	A.M. Thick fog. P.M. Fine—light clouds. Evening, Cloudy.
T 2	29.948	29.944	60.9	29.918	29.910	60.2	49	07.0	60.4	66.3	51.6	64.2		NW	A.M. Cloudy—light wind. P.M. Fine—light clouds and wind. Evening, Fine and clear.
F 3	29.976	29.970	61.4	29.924	29.916	60.2	51	05.6	53.6	63.5	45.8	66.3		NNW	A.M. Lightly cloudy—light wind. P.M. Fine—light clouds and wind. Evening, Overcast.
S 4	29.832	29.824	62.8	29.728	29.720	61.3	50	06.9	59.3	66.8	51.0	61.6		E	A.M. Fine—lt. haze & wind. P.M. Fine—lt. clouds. Ev. Overcast.
⊙ 5	29.686	29.682	66.9	29.690	29.686	62.2	52	08.0	57.4	66.3	51.9	66.7		S	Fine—light clouds and wind throughout the day. Ev. Fine & clear.
M 6	29.946	29.940	62.0	29.956	29.950	61.4	51	07.5	59.7	63.7	46.0	66.7		NE	ditto ditto. Ev. Overcast—light wind.
T 7	30.066	30.060	66.3	30.002	29.994	59.9	47	07.2	55.4	63.7	43.2	63.2		NE	Fine—nearly cloudless—light wind throughout the day. Evening, Fine and clear.
W 8	29.894	29.886	59.8	29.846	29.838	60.2	48	06.8	57.9	68.7	43.7	61.3		NE	Fine and cloudless—light brisk wind throughout the day. Evening, Overcast—thunder and lightning, with heavy rain.
T 9	29.872	29.866	60.4	29.836	29.830	58.0	47	03.2	47.2	50.7	46.3	67.4	.338	NNE	Overcast—occasional showers—brisk wind throughout the day. Evening, Heavy rain—high wind.
F 10	29.864	29.856	50.3	29.904	29.896	53.7	43	04.4	45.4	51.6	41.0	51.9	.422	N	A.M. Overcast—brisk wind. P.M. Cloudy—brisk wind. Ev. The same.
S 11	30.160	30.152	59.6	30.120	30.114	53.3	42	06.6	47.7	53.2	42.2	51.4	.033	N	Fine—light clouds—brisk wind throughout the day. Ev. Overcast.
⊙ 12	30.044	30.036	54.7	30.028	30.022	52.0	42	06.8	48.3	47.5	41.3	51.3		NW	A.M. Cloudy—brisk wind. P.M. Overcast—light rain—brisk wind. Evening, The same.
M 13	29.920	29.914	54.7	29.736	29.730	53.3	42	06.6	49.2	59.5	42.3	58.8	.068	NW	A.M. Fine—light clouds and wind. P.M. Cloudy—brisk wind. Evening, Overcast—light rain.
T 14	29.548	29.540	47.8	29.478	29.472	50.3	39	03.0	39.2	47.4	36.2	50.7	.172	NW	A.M. Overcast—light rain—brisk wind. P.M. Fine—light clouds—brisk wind. Evening, Hail and light rain. Fine & clear.
W 15	29.386	29.382	53.5	29.338	29.332	49.7	38	05.9	45.2	9.6	35.4	56.8	.016	SE	A.M. Cloudy—brisk wind. P.M. Snow, hail, & rain—brisk wind. Ev. Fine—light clouds—brisk wind throughout the day. Ev. Fine & clear.
T 16	29.556	29.550	58.2	29.526	29.518	50.8	35	06.7	46.4	53.0	33.7	63.4	.166	S	Fine—light clouds—brisk wind throughout the day. Ev. Fine & clear.
F 17	30.020	30.016	56.3	30.034	30.026	51.9	37	08.0	50.2	56.8	39.0	59.8		S	Fine—light clouds and wind throughout the day. Ev. Fine & clear.
S 18	30.124	30.118	64.9	30.068	30.060	55.2	42	08.2	53.7	58.8	42.8	69.6		S	A.M. Fine—light clouds—brisk wind. P.M. Fine—nearly cloudless—brisk wind. Evening, Overcast.
⊙ 19	30.066	30.058	53.9	30.100	30.096	57.0	48	03.7	53.7	62.0	52.2	54.3	.038	S	Overcast—deposition—light wind throughout the day. Ev. The same.
M 20	30.248	30.240	57.4	30.236	30.228	58.7	47	05.7	60.3	66.4	52.3	61.2		S	Overcast—light wind throughout the day. Evening, The same.
T 21	30.188	30.180	58.8	30.102	30.096	61.3	49	07.7	58.2	63.3	55.0	66.5		NW	Cloudy—light wind throughout the day. Ev. Fine—lt. clouds & wind. A.M. Dark heavy clouds, with occasional rain. P.M. Cloudy—light wind. Evening, Fine—light clouds.
W 22	30.004	29.996	64.3	30.046	30.040	58.6	45	07.0	50.5	49.8	47.4	65.3		NW	Fine—light clouds—brisk wind throughout the day. Evening, Cloudy—very light rain.
T 23	30.156	30.150	61.9	30.024	30.016	57.3	43	08.4	49.8	59.0	41.6	58.0	.022	NW	Cloudy—brisk wind throughout the day. Evening, The same.
F 24	29.946	29.938	58.7	30.000	29.992	56.2	43	07.0	50.3	49.8	45.2	51.7		NW	A.M. Fine—light clouds—brisk wind. P.M. Lightly overcast—brisk wind. Evening, Fine and clear.
S 25	30.120	30.114	58.9	30.138	30.132	53.8	42	07.2	47.7	50.8	41.7	52.0		N	Fine—light clouds and wind throughout the day. Ev. Fine & clear.
⊙ 26	30.216	30.210	63.9	30.184	30.180	54.4	41	05.7	48.3	58.5	40.7	60.3		NE	Fine—nearly cloudless—light wind throughout the day. Evening, Fine—light clouds.
M 27	30.230	30.222	59.3	30.198	30.190	56.6	43	08.1	56.3	63.8	45.0	72.2		S	Fine—light clouds and wind throughout the day. Ev. Overcast.
T 28	30.250	30.242	62.7	30.232	30.224	58.9	50	06.8	55.5	58.4	47.2	66.0		E	A.M. Cloudy—light wind. P.M. Fine and cloudless—light wind. Evening, Fine and clear.
W 29	30.212	30.204	54.3	30.142	30.136	57.9	45	04.6	49.4	66.0	41.6	50.3		NW	A.M. Overcast—brisk wind. P.M. Fine—light clouds and wind. Evening, Cloudy—light wind.
T 30	30.090	30.082	56.0	30.032	30.024	60.5	50	03.3	53.8	68.9	48.0	54.5		N	A.M. Overcast—brisk wind. P.M. Fine—light clouds and wind. Evening, Cloudy—light wind.
F 31	30.008	30.000	59.2	29.964	29.958	61.8	54	03.7	56.3	65.3	52.2	70.2		NW	A.M. Overcast—brisk wind. P.M. Fine—nearly cloudless.
MEAN.	29.986	29.979	58.9	29.917	29.911	56.9	45.3	06.2	52.3	58.9	45.0	60.5	Sum. 1.275		Mean Barometer corrected { 9 A.M. 3 P.M. F 29.909 .. 29.845 C. 29.901 .. 29.838
S 1	29.964	29.956	59.0	29.910	29.902	62.2	52	05.3	55.2	68.0	48.2	55.7		N	Fine—light clouds and wind throughout the day. Evening, Cloudy.
⊙ 2	29.906	29.900	65.9	29.832	29.828	61.0	48	06.7	53.7	56.9	45.6	68.0		NE	A.M. Fine—light clouds and wind. P.M. Overcast—light wind. Evening, Overcast—light rain.
M 3	29.694	29.686	54.9	29.658	29.650	58.9	48	01.4	50.8	62.3	47.0	51.3	.227	ENE	A.M. Overcast—heavy rain during the night. P.M. Fine, with occasional showers. Evening, Overcast—light rain.
T 4	29.666	29.658	59.6	29.668	29.660	60.2	51	03.9	54.6	60.4	50.3	54.7	.069	E	Overcast—light wind throughout the day. Evening, The like.
W 5	29.836	29.830	60.9	29.856	29.850	61.2	52	06.0	59.3	67.2	53.3	61.7		N	A.M. Overcast—light breeze. P.M. Fine—light clouds. Evening, Cloudy—light rain.
T 6	29.970	29.964	75.4	29.952	29.946	64.7	55	08.6	63.9	67.4	54.2	57.9	.227	S	Fine—light clouds and wind throughout the day. Ev. Cloudy.
F 7	29.848	29.842	62.2	29.816	29.808	64.3	56	05.2	60.3	61.4	56.3	69.3	.033	E	A.M. Overcast—light steady rain. P.M. Overcast—light wind. Evening, The like.
S 8	29.898	29.892	62.9	29.864	29.856	65.5	56	07.0	63.2	68.8	55.9	63.7	.091	SE var.	A.M. Overcast—brisk wind. P.M. Fine—light clouds and wind. Evening, Cloudy.
⊙ 9	30.058	30.052	74.2	30.094	30.090	68.0	57	09.5	63.8	69.0	56.0	85.0		S	Fine—lt. clouds—brisk wind throughout the day. Ev. Fine & clear.
M 10	30.318	30.312	66.9	30.284	30.278	67.6	56	09.3	63.9	69.6	55.5	71.2		SW	Fine—light clouds and wind throughout the day. Evening, Cloudy—brisk wind.
T 11	30.262	30.258	70.8	30.288	30.280	67.6	59	08.4	64.7	70.3	59.4	70.0		W	Fine—light clouds—brisk wind throughout the day. Ev. The like.
W 12	30.244	30.238	74.6	30.132	30.124	69.3	59	08.7	67.3	74.3	57.8	80.7		S	Fine—light clouds, with light brisk wind throughout the day. S. Evening, Fine & clear.
T 13	29.944	29.938	83.3	29.910	29.902	72.7	65	09.9	72.0	71.8	62.2	78.3		NE	A.M. Fine and cloudless—light wind. P.M. Cloudless—brisk wind. Evening, Overcast—distant thunder.
F 14	29.866	29.858	65.6	29.876	29.870	65.9	57	02.9	58.2	62.0	55.3	77.6		NE	Overcast—brisk wind throughout the day. Evening, Cloudy.
S 15	29.946	29.940	63.7	30.046	30.038	64.9	58	02.8	58.4	61.6	55.7	64.4		NNW	Lightly overcast—light breeze throughout the day. Ev. Cloudy.
⊙ 16	30.268	30.262	75.6	30.264	30.260	66.9	53	08.0	61.3	70.2	49.0	65.0		NE	Fine & cloudless—lt. breeze throughout the day. Ev. Fine & clear.
M 17	30.200	30.192	66.0	30.154	30.148	67.8	58	06.8	64.2	69.3	52.5	70.3		ENE	Fine—nearly cloudless—light breeze throughout the day. Evening, Lightning, with rain.
T 18	30.054	30.050	75.2	29.962	29.954	71.3	65	07.7	70.6	77.6	61.6	83.6		E	A.M. Fine—light clouds and wind. P.M. Fine—light clouds—at 3 p. 4 o'clock, thunder with heavy rain. Ev. Cloudy—much lightning.
W 19	29.998	29.992	74.4	30.060	30.054	71.3	62	07.2	66.6	71.4	62.0	82.3	.050	S	A.M. Cloudy—lt. wind—thunder early. P.M. Fine—lt. clouds—brisk wind. Ev. Fine & clear.
T 20	30.158	30.152	78.9	30.038	30.030	71.8	62	08.0	67.8	75.7	58.5	85.0		S	A.M. Cloudy—light breeze. P.M. Fine—light clouds. Ev. Cloudy.
F 21	29.818	29.814	78.6	29.822	29.816	71.2	62	08.2	68.3	70.7	61.0	76.2	.033	S	A.M. Fine—light clouds and wind—very high wind early. P.M. Cloudy—brisk wind. Evening, Fine and clear.
S 22	29.644	29.640	67.8	29.460	29.452	66.9	60	07.1	63.9	61.7	59.9	73.6		S	A.M. Cloudy—high wind—very light rain early. P.M. Overcast—high wind—light rain. Evening, Fine—light clouds.
⊙ 23	29.456	29.450	72.9	29.572	29.566	67.3	57	08.0	62.8	62.6	56.8	70.0	.111	SE var.	A.M. Cloudy—very high wind. P.M. Cloudy—light rain—high wind. Ev. Dark heavy clouds—high wind, with light showers.
M 24	29.842	29.836	71.9	29.870	29.862	67.9	58	08.1	63.4	68.3	55.6	76.4	.319	S	A.M. Cloudy—light wind. P.M. Fine—light clouds. Ev. The like.
T 25	29.968	29.962	68.8	29.918	29.912	67.3	57	07.9	64.3	69.8	57.4	69.3		S	Fine—light clouds and wind throughout the day. Evening, Overcast—light wind.
W 26	29.552	29.546	66.8	29.476	29.470	66.7	58	06.3	63.4	67.0	56.0	70.4		E	A.M. Cloudy—thunder—light rain—high wind. P.M. Continued. Evening, Overcast—light rain.
T 27	29.892	29.888	73.0	29.846	29.840	66.8	57	08.5	62.8	66.7	54.2	68.6	.083	W	Fine—lt. clouds—brisk wind throughout the day. Ev. Overcast—light rain.
F 28	29.684	29.680	70.3	29.706	29.702	64.6	57	07.5	61.3	58.3	54.7	81.2	.133	S	A.M. Fine—light clouds, and with occasional rain. P.M. Overcast—light rain—brisk wind. Evening, The like.
S 29	29.956	29.950	59.9	30.038	30.032	61.7	52	04.3	53.7	59.2	50.3	54.0	.144	WNW	Overcast—light wind throughout the day. Evening, The like.
⊙ 30	30.158	30.150	60.9	30.204	30.200	59.5	46	06.7	53.3	54.0	45.8	53.8		W	Cloudy—light wind throughout the day. Evening, The like.
MEAN.	29.936	29.930	68.7	29.919	29.913	66.1	56.4	06.9	61.9	66.3	54.9	70.2	Sum. 1.520		Mean Barometer corrected { 9 A.M. 3 P.M. F 29.832 .. 29.823 C. 29.825 .. 29.816